



**100% POLYESTER
CONTINUOUS FILAMENT
WATER-REPELLENT
SEWING THREAD**

Durafix WR®

Durak Durafix WR® is a 100% high-tenacity continuous filament polyester sewing thread with water-repellent properties. Ideal for outdoor products, shoes, and accessories, it features a specially formulated surface that provides excellent water resistance. PFC-free coating prevents water absorption and stops water from passing through stitch holes when the correct sewing tension is used. With high tenacity and optimal stretch, Durafix WR® produces smooth, attractive stitches in leather shoes. Special lubrication ensures a high durability-to-fineness ratio, a refined appearance, and enhanced sewing performance.



Product Properties

- Reliable sewing thread with a natural appearance.
- Special finishing treatments ensure flawless sewing.
- Highly resistant to washing and chemical agents.
- Proper sewing tension prevents water from passing through the stitch holes.



Durafix WR[®]

Areas of Use

- Leather Products
- Protective Footwear
- Walking Footwear
- Safety Footwear
- Furniture
- Protective Clothing (e.g. raincoats and coats)

Physical Properties

Melts at 260°C and softens at 220 - 240°C.

Shrinkage is less than 1% at 150°C.



Chemical Properties

Mineral Acids: Resistant to most mineral acids.

Alkalis: Unaffected by weak alkalis, moderately resistant to strong alkalis.

Organic Solutions: Unaffected by common solvents, soluble in some phenolic compounds.

Bleaching: Unaffected.

Micro Organisms / (Fungus, mold): Unaffected.

Washing / Dry Cleaning: Unaffected.

Moisture Regain: 0.4%

Product Options

DURAK Durafix WR[®] offers a wide range of colors in a variety of meter sizes and thicknesses.

Color Fastness

Washing Fastness (60°C)	ISO 105 C06	Min. 4
Water Fastness	ISO 105 E01	Min. 4
Rubbing Fastness	ISO 105 X12	Min. 4
Hypochlorite Fastness	ISO 105 N01	Min. 4
Dry Cleaning Fastness	ISO 105 D01	Min. 4
Perspiration Fastness	ISO 105 E04	Min. 4
Light Fastness	ISO 105 B02	Min. 5

Storage Conditions

Must be stored away from heat, humidity and direct sunlight.





Durafix WR®

Thickness and Strength Chart

Ticket No.	Nominal Tex	Strength CN	Elongation %	Needle Size (Nm)
6	500	31.000	25 - 35	160 - 280
8	330	22.000	25 - 35	160 - 280
10	280	18.000	25 - 35	160 - 280
11	270	15.000	25 - 35	160 - 280
15	175	11.000	25 - 35	140 - 160
20	135	9.200	25 - 35	140 - 160
30	80	5.500	14 - 26	130 - 140
40	60	4.700	14 - 26	100 - 110
50	55	3.500	15 - 23	100 - 110
60	45	2.950	14 - 24	90 - 100
70	40	2.650	14 - 24	90 - 100
80	35	2.280	14 - 20	75 - 90
100	27	1.800	14 - 20	70 - 90
120	24	1.600	14 - 20	70 - 90
150	20	1.200	14 - 20	70 - 90
180	16	950	14 - 20	65 - 75
200	12	760	14 - 20	65 - 75
300	10	650	14 - 20	55 - 60
400	6	450	14 - 20	55 - 60

Other Durafix Sub-Brands

Durafix AS®

Anti-static sewing thread made of 100% high tenacity continuous filament polyester, pre-stabilized together with a conductive material. It is designed for use in applications where electrostatic charge is a concern.

Durafix UV®

100% high tenacity continuous filament polyester sewing thread with UV resistance. Durafix UV® minimizes UV degradation such as discoloration low abrasion resistance and loss of tenacity.

Durafix OS®

100% high-tenacity continuous filament polyester sewing thread with special finishing processes in order to provide high sewing performance in the most challenging conditions. A controlled lubrication process is applied by excluding substances such as silicone, grease, graphite, wax and paraffin during the finishing process.

Durafix CFR®

100% high tenacity continuous filament polyester sewing thread produced by adding flame-retardant characteristics. The thread surface is coated with flame retardant chemical in accordance with the standards of chemical coating method.

Durafix Multicolor®

Multicolor sewing thread made of 100% high-tenacity continuous filament polyester. It is injection-dyed in up to four different colors to create a multi-colored effect on the thread.

Durafix Eco®

High-tenacity polyester sewing thread, produced from 100% recycled polyester. It offers all the advantages of a sustainable thread without compromising sewing performance.